



## Flight Report

### Operation Ice Bridge Spring 2012

**UAF Alaska Flight No 1**  
**Mission Plan: Chugach Range**

#### Flight Report Summary

<b>Aircraft</b>	<b>DHC-3 Otter</b>
<b>Flight Number</b>	DHC3-1
<b>Flight Request</b>	12Y00X
<b>Flight Hours</b>	4.4
<b>Take off time</b>	14:00:00.00 Z from Palmer
<b>Landing time</b>	18:24:00.00 Z at Palmer
<b>Date</b>	Friday, March 16, 2012
<b>Purpose of Flight</b>	LiDAR surveys of glaciers within the Chugach Range, Alaska.
<b>Aircraft Status</b>	Airworthy.
<b>Sensor Status</b>	operational.
<b>Significant Issues</b>	none.
<b>Accomplishments</b>	<ul style="list-style-type: none"><li>• LiDAR centerline profile of Knik, Colony, Yale, Columbia and Eklutna Glaciers.</li><li>• Conducted one pass over runway at Palmer airport for LiDAR instrument calibration.</li></ul>

#### Science Data Report Summary

This mission performed LiDAR surveys of glaciers within the Chugach Range, Alaska.

Geographic keywords: (Chugach Range, Alaska)

Repeat Mission: yes

Instrument	Instrument Operational		Data Volume	Instrument Issues
	Target area	Entire Flight		
<b>UAF LiDAR</b>	Yes	YES	1 GB	None
<b>GPS</b>	Yes	YES	50 MB	None
<b>IMU</b>	Yes	Yes	1 GB	None

### Mission Log (Chris Larsen)

Weather conditions were perfect, with no wind or chop, and excellent visibility.

#### Individual instruments on board the aircraft:

**LiDAR:** The UAF LiDAR systems worked well.

**GPS:** System worked normally. No problems.

**IMU:** System worked well. No issues.

